

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11)Publication number: **08113823 A**

(43)Date of publication of
application: **07. 05 . 96**

(51)Int. Cl **D01F 6/14**
D01F 6/34
D04H 3/00

(21)Application number: **06276027**

(22)Date of filing: **13 . 10 . 94**

(71)Applicant: **KANEBO LTD**

(72)Inventor: **MIZUKAMI YOSHIKATSU**
TEJIMA TSUTOMU
AGARI KATSUMI
FUKUMOTO YOKO
ONOE HIROSHI

**(54)FIBER AND NONWOVEN FABRIC
COMPRISING POLYACETAL**

(57)Abstract:

PURPOSE: To obtain a polyacetal fiber, available from a polyacetal having a specific melt viscosity, excellent in heat and chemical resistances and useful for a reinforcing material, a filter, etc.

CONSTITUTION: A polyacetal having 100-500, preferably 200-400 melt viscosity [measured by the flow rate (g) from a nozzle having 2mm diameter at 190°C under 2.16kg load for 10min] is melt spun and drawn to provide a

fiber, which is then formed into nonwoven fabric according to a spunbonding or a melt-blowing method. The polyacetal is obtained by using trioxane as a main monomer and a cyclic ether or a cyclic formal as a comonomer, regulating the amount of the comonomer to 0.2-10wt.%, preferably 0.4-5wt.% based on the trioxane and carrying out the cationic polymerization, etc. The melt viscosity of the polyacetal can be regulated by adding an adequate amount of a suitable chain transfer agent in polymerization.

COPYRIGHT: (C)1996,JPO